

**SECTION 02200: SITE CLEARING AND DEMOLITION**

**PART 1 – GENERAL**

**1.01 DESCRIPTION OF WORK**

This element includes the removal of brush and vegetation and other surface materials from specified areas along and within the project limits. Clearing and grubbing shall be performed only in areas shown on the Plans, and as specified herein. In any given area, clearing and grubbing shall occur prior to beginning excavation and related earthwork in that area. The operations under this item shall also include the removal and disposal of existing piles, debris, landscaping features, small structures and other items that are present in the Project area. Removed pilings and demolition debris will be disposed of off-site at a certified construction landfill.

Areas that are labeled “Protect Existing Vegetation” on the Plans shall not be damaged.

**1.02 CONSTRUCTION REQUIREMENTS**

In areas of excavation, all existing vegetation shall be removed to the minimum extent that allows for excavation and construction to occur as specified and as shown on the Plans. If areas beyond these limits are cleared, the Contractor will be responsible for restoration per section 1-07 of the 2002 WSDOT Standard Specifications.

**PART 2 –PRODUCTS**

Not applicable.

**PART 3 –EXECUTION**

**3.01 METHODS OF CLEARING AND GRUBBING**

The Contractor shall fully remove all vegetation from cleared areas. The Contractor shall remove all vegetation from the ground surface upward, and shall minimize the amount of soil that is removed with the vegetation. The

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cleared surface shall be surveyed prior to excavation to set a more accurate surface for calculation of excavated volumes. Clearing and grubbing shall be accomplished without harming or disturbing vegetation in surrounding areas.

Cleared and grubbed vegetation may be temporarily stockpiled on site separately from excavated soils and debris. Unless retained for reuse on site, all cleared and grubbed vegetation shall become the property of the Contractor. All stockpiles of cleared and grubbed vegetation shall be removed from the site by the Contractor as required for construction or at the completion of the work.

#### 3.02 RE-USE AND DISPOSAL OF VEGETATIVE MATTER

In general, the Contractor shall attempt to maximize the potential re-use of cleared vegetative matter, in accordance with Section 02950 – Planting, and Section 08100 – Large Woody Debris Installation.

On-site cleared vegetative matter meeting the specified requirements for Plant Materials or Willow Live Stakes shall be retained for potential reuse on site, as specified.

The Contractor may use or process bark from cleared vegetative matter for on-site reuse as Bark Mulch, subject to the approval of the Engineer and specified gradational requirements.

On-site cleared woody vegetation meeting the specified size and diameter for large woody debris or driftwood shall be retained for potential reuse on site, as specified. Any wood material to be reused shall first be inspected and approved by the Engineer. Only materials with suitable strength, natural appearance (no lumber), and not decayed or rotted, in the opinion of the Engineer, shall be retained for reuse.

Vegetative matter not suitable or needed for re-use shall be hauled to an appropriate waste site obtained and provided by the Contractor.

Burning shall not be allowed unless directed by the Engineer for restoration purposes.

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#### 3.03 DEMOLITION OF BULKHEAD PILES

Timber piles comprising the existing bulkhead along the South Bank of Whatcom Creek shall not be removed in their entirety, because their embedded portions are needed for bank stability. The Contractor shall remove only the upper exposed portions of these timber bulkhead piles, by saw cutting. This shall be done only after the rock buttress has been installed along the South Bank as indicated on the Plans, in order to minimize disturbance of the existing oversteepened and marginally stable South Bank slopes. The portion of each pile that is exposed above the rock buttress shall be removed.

#### 3.04 REMOVAL OF SITE DEBRIS

The Contractor shall remove site surficial debris from the areas identified on the Plans. Most surficial debris is present at the ground surface, although some is partially embedded in the soil. Known debris includes concrete blocks, bricks, and wood lumber. Other types of debris may be encountered as well. All debris encountered in the areas identified shall be removed from the site.

#### PART 4 – MEASUREMENT

Not applicable.

#### PART 5 – PAYMENT

Payment for site clearing and demolition will be made at the Contract lump sum price for CLEARING, GRUBBING, AND DEMOLITION, payment of which shall constitute full compensation for all labor, equipment, and materials required to remove and dispose of vegetation and debris as described in this section, including haul and disposal costs.

**END OF SECTION 02200**